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U.S.  
PTO

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
U.S. Patent and Trademark Office  
2011 South Clark Place

**Customer Window, Mail Stop Patent Application**  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

16834 U.S.PTO  
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032404  
**TRANSMITTAL FOR A NEW AND ORIGINAL APPLICATION  
UNDER 37 C.F.R. §1.53(b)**

This is a request for filing a patent application under 37 C.F.R. §1.53(b) for:

Inventor(s): J. Michael JOSEPH  
Sam GRUBER

For: METHOD OF USING A TOOL TO FORM ANGLED ORIFICES IN A  
METERING ORIFICE DISC

1. This is a new  Utility  Design  Plant patent application.
2. The papers enclosed to obtain a filing date are as follows:

15 Pages of Specification including

0 Title Page  
4 Pages of Claims  
1 Page of Abstract

8 Sheets of drawings containing 12 Figures

The enclosed drawings are photographs, and there is also attached a  
PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)

3. Combined Declaration and Power of Attorney

Enclosed and is executed by the inventor.

Not Enclosed.

This application is being filed under the provisions of 37 C.F.R. §1.53(f).  
Applicant(s) await notification from the Patent and Trademark Office of the time  
set for filing the Declaration and paying fees.

## 4. Language

- English  
 Non-English

This application is being filed in accordance with 37 C.F.R. §1.52(d) and §608.01 of the MPEP. Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the verified English translation and the processing fee.

## 5. Assignment

- An assignment of the invention to Siemens VDO Automotive Corporation and a PTO Form-1595, Recordation Form Cover Sheet, are enclosed.  
 An assignment will be filed at a later date.

## 6. Priority - foreign applications under 35 U.S.C. §119(a)-(d) or §365(b) or PCT international applications under 35 U.S.C. §365(a) designating at least one country other than the U.S.

- Priority of the following foreign application is claimed:

Country	Application No.	Filed

Certified copy:  is attached.  will follow.

## 7. Priority based on provisional application(s) - 35 U.S.C. §119(e)

- Priority of the following provisional application(s) is claimed:

Application No.	Filed

## A. Relate Back - 35 U.S.C. §119(e)

- Amend the specification by inserting before the first line the sentence: "This application claims priority of copending provisional application(s) No. filed on \_\_\_\_."

## 8. Small entity status

- Applicant(s) hereby assert(s) small entity status under 37 C.F.R. § 1.27.

## 9. Fee Calculation (37 C.F.R. §1.16)

<b>CLAIMS FOR FEE CALCULATION</b>				
	Number Filed	Number Extra	at Rate of	Basic Fee Utility \$770.00 Design \$385.00
Total Claims (37 C.F.R. § 1.16(c))	19	0	\$ 18.00 each =	\$0.00
Independent Claims (37 C.F.R. § 1.16(b))	2	0	\$ 86.00 each =	+ \$0.00
Multiple dependent claim(s), if any (37 C.F.R. § 1.16(d))			\$290.00	+ \$
<b>SUB-TOTAL =</b>				<b>\$770.00</b>
<b>Reduction by ½ for filing by a small entity</b>				- \$
<b>TOTAL FILING FEE =</b>				<b>\$770.00</b>

## 10. Fee Payment

- Not Enclosed. **NO FEE IS BEING PAID BY CHECK OR DEPOSIT ACCOUNT AT THIS TIME.**  
This application is being filed under the provisions of 37 C.F.R. §1.53(f).  
Applicant(s) await notification from the Patent and Trademark Office of the time set for filing the Declaration and paying the filing fees.
- The Commissioner is authorized to charge Deposit Account No 50-0310 in the amount of **\$810.00**, representing \$770.00 for the basic filing fee and \$40.00 for the Assignment Recordation fee.

11.  **EXCEPT** for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

12. Additional papers enclosed:

- Preliminary Amendment
- Information Disclosure Statement
- Form PTO-1449
- Declaration of Biological Deposit
- Submission of "Sequence Listing", computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.

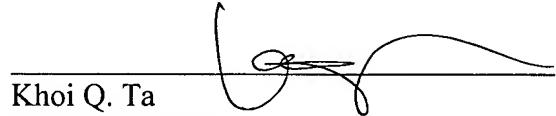
Please accord this application an application number and filing date.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

Date: March 24, 2004

By:

  
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Reg. No. 47,300

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